Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/16/2019 09:31 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125742	0	1.61	125778	1.62
Blue	F	SSC	125000	123919	-1	1.47	124718	1.47
Blue	E	FITC	16122	15669	-3	2.69	343	20.34
Blue	D	PE	29316	28632	-3	1.89	625	14.75
Blue	B	PerCP-Cy5-5	42590	41844	-2	3.66	1127	20.58
Blue	A	PE-Cy7	33146	33075	-1	6.05	634	40.79
Red	C	APC	45473	44708	-2	2.44	1580	11.99
Red	A	APC-Cy7	31961	30855	-4	2.39	813	11.97
Violet	B	V450	7914	7451	-6	4.64	416	13.67
Violet	A	V500	29769	28565	-5	4.41	664	10.76

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21573	3.81	609	9	N/A	N/A	Pass
Blue	F	SSC	56352	1.06	552	14	N/A	N/A	Pass
Blue	E	FITC	62	65.09	540	3	0.0193	144	Pass
Blue	D	PE	130	49.99	542	5	0.1622	275	Pass
Blue	B	PerCP-Cy5-5	206	49.06	646	8	0.0087	12	Pass
Blue	A	PE-Cy7	115	103.39	699	8	0.0109	19	Pass
Red	C	APC	376	24.95	585	6	0.0250	146	Pass
Red	A	APC-Cy7	180	28.47	561	5	0.0055	881	Pass
Violet	B	V450	63	59.30	465	5	0.0432	1613	Pass
Violet	A	V500	99	30.83	478	6	0.0205	248	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.52	-31.83	0.98
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	15.92	13.60 - 20.40	N/A	N/A	29.03	29.78	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11735

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments